



JAN 28 2002

TECH CENTER 1600/2900

LIST OF PRIOR ART CITED BY
APPLICANT

(PTO-1449)

ATTY. DOCKET NO.
CI-0006APPLN. SERIAL NO.
09/960,704APPLICANT(S)
William N. DROHAN, Wilson BURGESS, David M. MANN,
and Martin J. MACPHEEFILING DATE
September 24, 2001GROUP
1645

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
fw	RE. 23,195	02/1950	Arno Brasch			
fw	2,832,689	04/1958	Bernard E. Proctor et al.			
fw	2,920,969	01/1960	E.S. Stoddard			
fw	2,962,380	11/1960	J.H. Wertheim			
fw	3,620,944	11/1971	Keiko Tanito			
fw	3,743,480	07/1973	John D. Falk			
fw	3,779,706	12/1973	Nablo			
fw	4,136,094	01/1979	Condie			
fw	4,251,437	02/1981	Rasmussen et al.			
fw	4,282,863	08/1981	Beigler et al.			
fw	4,330,626	05/1982	Blair et al.			

U.S. PATENT APPLICATION PUBLICATIONS

	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	

U.S. PATENT APPLICATIONS

	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
fw	2,056,619	10/1991	Canada				
fw	0 310 316	04/1989	Europe				
fw	0 334 679	09/1989	Europe				
fw	WO 90/00907	02/1990	PCT Int'l.				
fw	WO 91/16060	10/1991	PCT Int'l.				
fw	WO 95/03071	02/1995	PCT Int'l.				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

fw	AABB FDA Liaison Meeting, ABC Newsletter, December 12, 1997, pps. 14
fw	Tikvah Alper et al., The Exceptionally Small Size of the Scrapie Agent, 1966, pps. 278-284, Biochemical and Biophysical Research Communications, Vol. 22, No. 3

EXAMINER

DATE CONSIDERED

5/5/03


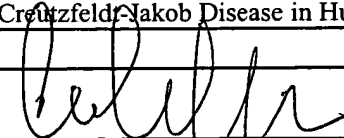
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)				ATTY. DOCKET NO. CI-0006		APPLN. SERIAL NO. 09/960,704	
				APPLICANT(S) William N. DROHAN, Wilson BURGESS, David M. MANN and Martin J. MACPHEE			
				FILING DATE September 24, 2001		GROUP 1645	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE	
<i>W</i>	4,370,264	01/1983	Kotitschke et al.				
<i>W</i>	4,409,105	10/1983	Hayashi et al.				
<i>W</i>	4,472,840	09/1984	Jefferies				
<i>W</i>	4,620,908	11/1986	Van Duzer				
<i>W</i>	4,933,145	06/1990	Uchida et al.				
<i>W</i>	4,946,648	08/1990	Dichtelmüller et al.				
<i>W</i>	4,963,356	10/1990	Calenoff et al.				
<i>W</i>	5,000,951	03/1991	Bass et al.				
<i>W</i>	5,106,619	04/1992	Wiesehahn et al.				
<i>W</i>	5,134,295	07/1992	Wälischmiller				
<i>W</i>	5,185,371	02.1993	Rubinstein				
U.S. PATENT APPLICATION PUBLICATIONS							
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS		
U.S. PATENT APPLICATIONS							
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
<i>W</i>	Tikvah Alper et al., Protection by Anoxia of the Scrapie Agent and Some DNA and RNA Viruses Irradiated as Dry Preparations, 1968, pps. 157-166, J. gen. Virol., Vol. 3						
<i>W</i>	Tikvah Alper et al., Does the Agent of Scrapie Replicate Without Nucleic Acid? May 20, 1967, pps. 764-766, Nature, Vol. 214						
<i>W</i>	Tikvah Alper et al., The Scrapie Agent: Evidence Against its Dependence For Replication on Intrinsic Nucleic Acid, 1978, pps. 503-516, J. gen. Virol., Vol. 41						
EXAMINER	<i>[Signature]</i>			DATE CONSIDERED <i>5/5/2003</i>			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449) <div style="text-align: left; margin-top: 10px;"> </div>				ATTY. DOCKET NO. CI-0006		APPLN. SERIAL NO. 09/960,704	
				APPLICANT(S) William N. DROHAN, Wilson BURGESS, David M. MANN and Martin J. MACPHEE			
				FILING DATE September 24, 2001		GROUP 1645	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE	
	5,226,065	07/1993	Held et al.				
	5,362,442	11/1994	Kent				
	5,418,130	05/1995	Platz et al.				
	5,460,962	10/1995	Kemp				
	5,510,122	04/1996	Sreebny et al.				
	5,603,894	02/1997	Aikus et al.				
	5,609,864	03/1997	Shanbrom				
	5,637,451	06/1997	Ben-Hur et al.				
	5,712,086	01/1998	Horowitz et al.				
	5,730,933	03/1998	Peterson				
	5,817,528	10/1998	Böhm et al.				
U.S. PATENT APPLICATION PUBLICATIONS							
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS		
U.S. PATENT APPLICATIONS							
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
	Michael L. Baldwin et al., Irradiation of Blood Components, 1992, pps. 1-78, American Association of Blood Banks						
	R.H. Bassin et al., Abrogation of Fv-1 ^b Restriction With Murine Leukemia Viruses Inactivated by heat or by Gamma Irradiation, May 1978, pps. 306-315, Journal of Virology, Vol. 26, No. 2						
	Guy Beauregard et al., Temperature Dependence of the Radiation Inactivation of Proteins, 1985, pps. 117-120, Analytical Biochemistry, Vol. 150						
EXAMINER				DATE CONSIDERED 5/5/2003			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>OFFICE OF PRIOR ART CITED BY APPLICANT</p> <p>(PTO-1449)</p> </div> </div>				ATTY. DOCKET NO. CI-0006		APPLN. SERIAL NO. 09/960,704	
				APPLICANT(S) William N. DROHAN, Wils n BURGESS, David M. MANN and Martin J. MACPHEE			
				FILING DATE September 24, 2001		GROUP 1645	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE	
<i>W</i>	5,837,313	11/1998	Ding et al.				
<i>W</i>	5,881,534	03/1999	Ahlqvist et al.				
<i>W</i>	5,981,163	11/1999	Horowitz et al.				
<i>W</i>	5,986,168	11/1999	Noishiki				
<i>W</i>	6,046,024	04/2000	Burton et al.				
<i>W</i>	6,049,025	04/2000	Stone et al.				
<i>W</i>	6,066,626	05/2000	Yew et al.				
<i>W</i>	6,087,141	07/2000	Margolis-Nunno et al.				
<i>W</i>	6,120,592	09/2000	Brault et al.				
<i>W</i>	6,159,490	12/2000	Deghenghi				
<i>W</i>	6,171,549	01/2001	Kent				
U.S. PATENT APPLICATION PUBLICATIONS							
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS		
U.S. PATENT APPLICATIONS							
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
<i>W</i>	David R. Brown et al., Antioxidant Activity Related to Copper Binding of Native Prion Protein, 2001, pps. 69-76, Journal of Neurochemistry, Vol. 76						
<i>W</i>	P. Brown, The Risk of Blood-Borne Creutzfeldt-Jakob Disease, 1999, pps. 53-59, Advances in Transfusion Safety Dev. Biol. Vol. 102						
<i>W</i>	P. Brown et al., Further Studies of Blood Infectivity in an Experimental Model of Transmissible Spongiform Encephalopathy, With an Explanation of Why Blood Components Do Not Transmit Creutzfeldt-Jakob Disease in Humans, November/December 1999, pps. 1169-1178, Transfusion, Vol. 39						
EXAMINER				DATE CONSIDERED <i>8/5/03</i>			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)				ATTY. DOCKET NO. CI-0006		APPLN. SERIAL NO. 09/960,704	
				APPLICANT(S) William N. DROHAN, Wilson BURGESS, David M. MANN and Martin J. MACPHEE			
				FILING DATE September 24, 2001		GROUP 1645	

U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
W	6,187,572	02/2001	Platz et al.			
A	6,190,855	02/2001	Herman et al.			
W	6,197,207	03/2001	Chapman et al.			
W	6,214,534	04/2001	Horowitz et al.			
W	6,235,508	05/2001	Sowemimo-Coker et al.			

U.S. PATENT APPLICATION PUBLICATIONS						
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	

U.S. PATENT APPLICATIONS						
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No


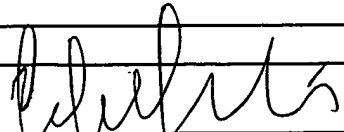
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)	
W	Paul Brown et al., Effect of Chemicals, Heat, and Histopathologic Processing on High-Infectivity Hamster-Adapted Scrapie Virus, May 1982, pps. 683-687, The Journal of Infectious Diseases, Vol. 145, No. 5
W	P. Brown et al., The Distribution of Infectivity in Blood Components and Plasma Derivatives in Experimental Models of Transmissible Spongiform Encephalopathy, September 1998, pps. 810-816, Transfusion, Vol. 38
W	Derwent Publication AN - 111469

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>5/5/2003</i>
-----------------------------	---------------------------------

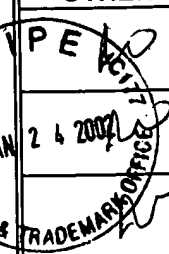
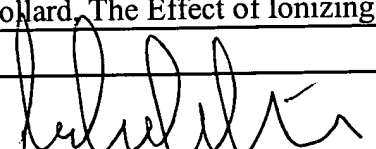
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

JAN 28 2002

TECH CENTER 1609/2900

				ATTY. DOCKET NO. CI-0006		APPLN. SERIAL NO. 09/960,704	
				APPLICANT(S) William N. DROHAN, Wils n BURGESS, David M. MANN and Martin J. MACPHEE			
				FILING DATE September 24, 2001		GROUP 1645	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE	
U.S. PATENT APPLICATION PUBLICATIONS							
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS		
U.S. PATENT APPLICATIONS							
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
	Derwent Publication - AN 2159557						
	Derwent Publication - AN 2526936						
	P. Di Simplicio et al., The Reactivity of the SH Group of Bovine Serum Albumin With Free Radicals, 1991, pps. 253-262, Free Rad. Res. Comms., Vol. 14, No. 4						
	Duane C. Eichler et al., Radiation Inactivation Analysis of Enzymes, July 15, 1987, pps. 9433-9436, The Journal of Biological Chemistry, Vol. 262, No. 20						
	Luanne H. Elliott et al., Inactivation of Lassa, Marburg, and Ebola Viruses by Gamma Irradiation, Oct. 1982, pps 704-708, Journal of Clinical Microbiology, Vol. 16, No. 4						
	Fields et al., Susceptibility of Scrapie Agent to Ionizing Radiation, April 5, 1969, pps. 90-91, Nature, Vol. 222						
	D.A. Haig, Further Studies on the Inactivation of the Scrapie Agent by Ultraviolet Light, 1969, pps. 455-457, J. gen. Virol., Vol. 5						
	H. Hiemstra et al., Inactivation of Human Immunodeficiency Virus by Gamma Radiation and its Effect on Plasma and Coagulation Factors, 1991, pps. 32-39, Transfusion, Vol. 31, No. 1						
EXAMINER				DATE CONSIDERED 5/1/2003			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)		ATTY. DOCKET NO. CI0006	APPLN. SERIAL NO. 09/960,704
		APPLICANT(S) William N. DROHAN, Wilson BURGESS, David M. MANN and Martin J. MACPHEE	
		FILING DATE September 24, 2001	GROUP 1645
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)			
	B. Horowitz et al., Inactivation of Viruses in Labile Blood Derivatives, II. Physical Methods, 1985, pps. 523-527, Transfusion, Vol. 25, No. 6		
	Carol House et al., Inactivation of Viral Agents in Bovine Serum by Gamma Irradiation, 1990, pps. 737-740, Can. J. Microbiol., Vol. 36		
	E.S. Kempner et al., Size Determination of Enzymes by Radiation Inactivation, 1979, pps. 2-10, Analytical Biochemistry, Vol. 92		
	J.D. Keathley et al., Is There Life After Irradiation? Part 2: Gamma-Irradiated FBS in Cell Culture, July/August 1993, pps. 46-52, BioPharm		
	A.D. Kitchen, Effect of Gamma Irradiation on the Human Immunodeficiency Virus and Human Coagulation Proteins, 1989, pps. 223-229, Vox Sang, Vol. 56		
	Raymond Latarjet, Inactivation of the Agents of Scrapie, Creutzfeldt-Jakob Disease, and Kuru by Radiations, 1979, pps. 387-407, Slow Transmissible Diseases of the Nervous System, Vol. 2		
	R. Latarjet et al., Inactivation of the Scrapie Agent by Near Monochromatic Ultraviolet Light, September 26, 1970, pps. 1341-1343, Nature, Vol. 227		
	Douglas C. Lee et al., A Direct Relationship Between the Partitioning of the Pathogenic Prion Protein and Transmissible Spongiform Encephalopathy Infectivity During the Purification of Plasma Proteins, April 2001, pps. 449-455, Transfusion, Vol. 41		
	Susan F. Leitman, Use of Blood Cell Irradiation in the Prevention of Posttransfusion Graft-vs-Host Disease, 1989, pps. 219-232, Transfus. Sci., Vol. 10		
	Linda Marton et al., Disinfection and Inactivation of the Human T. Lymphotropic Virus Type III/Lymphadenopathy-Associated Virus, August 1985, pps. 400-403, The Journal of Infectious Diseases, Vol. 151, No. 2		
	S.I. Miekka et al., New Methods for Inactivation of Lipid-enveloped and Non-enveloped Viruses, 1998, pps. 402-408, Haemophilia, Vol. 4		
	Z. Mark Plavsic et al., Resistance of Porcine Circovirus to Gamma Irradiation, April 2001, pps. 32-36, BioPharm		
	Pollard, The Effect of Ionizing Radiation on Viruses, pps. 65-71		
EXAMINER 		DATE CONSIDERED 5/5/8003	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

JAN 28 2002

TECH CENTER 1600/2900

LIST OF PRIOR ART CITED BY
APPLICANT
(PTO-1449)

ATTY. DOCKET NO.
CI0006

APPLN. SERIAL NO.
09/960,704

APPLICANT(S)
William N. DROHAN, Wilson BURGESS, David M. MANN
and Martin J. MACPHEE

FILING DATE
September 24, 2001

GROUP
1645

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

Elena Quaglio et al., Copper Converts the Cellular Prion Protein Into a Protease-resistant Species That Is Distinct From the Scrapie Isoform, April 6, 2001, pps. 11432-11438, The Journal of Biological Chemistry, Vol. 276, No. 14

Brian D. Reid, The Sterways Process: a New Approach to Inactivating Viruses Using Gamma Radiation, 1998, pps. 125-130, Biologicals, Vol. 26

Robert G. Rohwer, Estimation of Scrapie Nucleic Acid MW From Standard Curves for Virus Sensitivity to Ionizing Radiation, March 27, 1986, pp. 381, Nature, Vol. 320, No. 6060

Robert G. Rohwer, Scrapie Infectious Agent is Virus-like in Size and Susceptibility to Inactivation, April 12, 1984, pps. 658-662, Nature, Vol. 308

R.G. Rohwer, The Scrapie Agent: "A Virus by Any Other Name", pps. 195-232, Current Topics In Microbiology and Immunology, Vol 172

Robert G. Rohwer et al., Scrapie - Virus or Viroid, The Case For A Virus, pps. 333-355, Laboratory of Central Nervous System Studies, National Institutes of Neurological and Communicative Disorders and Stroke, National Institutes of Health

Robert G. Rohwer, Virus-Like Sensitivity of the Scrapie Agent to heat Inactivation, February 10, 1984, pps. 600-602, Science, Vol. 223

Robert Sullivan et al. Inactivation of Thirty Viruses by Gamma Radiation, July 1971, pps. 61-65, Applied Microbiology, Vol. 22, No. 1

Boon-Seng Wong et al., Copper Refolding of Prion Protein, 2000, pps. 1217-124, Biochemical and Biophysical Research Communications, Vol. 276

Boon-Seng Wong et al., Differential Contribution of Superoxide Dismutase Activity by Prion Protein in Vivo, 2000, pps. 136-139, Biochemical and Biophysical Research Communications, Vol 273

Boon-Seng Wong et al., Prion Disease: A Loss of Antioxidant Function? 2000, pps. 249-252, Biochemical and Biophysical Research Communications, Vol. 275

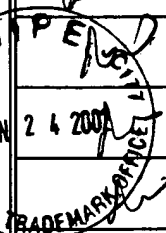
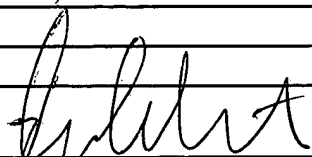

D.E. Wyatt et al., Is There Life After Irradiation? Part I: Inactivation of Biological Contaminants, June 1993, pps 34-39, BioPharm

License Amendment and Procedures for Gamma Irradiation of blood Products, June 22, 1993, pps. 1-18, Dept. of Health & Human Services, Food and Drug Administration


EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)		ATTY. DOCKET NO. CI-0006	APPLN. SERIAL NO. 09/960,704
		APPLICANT(S) William N. DROhAN, Wilson BURGESS, David M. MANN and Martin J. MACPHEE	
		FILING DATE September 24, 2001	GROUP 1645
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)			
	<input checked="" type="checkbox"/>	M.F. Alladine et al., γ -Radiation Damage to Starr-Edwards Valves, March 16, 1968, pp. 68, The Lancet, Letters to the Editor	
	<input checked="" type="checkbox"/>	Ch. Baquay et al., Radiosterilization of Albuminated Polyester Prostheses, May 1987, pps. 185-189, Biomaterials, Vol. 8	
	<input checked="" type="checkbox"/>	Edward H. Bedrossian, Jr., HIV and Banked Fascia Lata, 1991, pps. 284-288, Ophthalmic Plastic and Reconstructive Surgery, Vol. 7, No. 4	
	<input checked="" type="checkbox"/>	Liu Bingci, Mouse Antibody Response Following Repetitive Injections of Gamma-Irradiated human Placenta Collagen, June 1994, pps. 100-103, Chinese Medical Sciences Journal, Vol. 9, No. 2	
	<input checked="" type="checkbox"/>	E.A. Borisov et al., Protein Degradation During Interphase Death of Thymocytes Induced by Radiation and Dexamethasone, 1990, pps. 519-521	
	<input checked="" type="checkbox"/>	R.G. Burwell, The Fate of Freeze-Dried Bone Allografts, June 1976, pps. 95-111, Transplantation Proceedings, Vol. VII, No. 2, Supplement 1	
	<input checked="" type="checkbox"/>	L. Callegaro et al., Hollow Fiber Immobilized L-Asparaginase: In Vivo and In Vitro Immunological Studies, 1983, pps. 91-96, The International Journal of Artificial Organs, Vol. 6, No. 2	
	<input checked="" type="checkbox"/>	G. Campalani et al., Aortic Valve Replacement With Frozen Irradiated Homografts, 1989, pps. 558-561, Eur. J. Cardio-thoracic Surgery, Vol. 3	
	<input checked="" type="checkbox"/>	David T. Cheung et al., The Effect of γ -Irradiation on Collagen Molecules, Isolated α -chains, and Crosslinked Native Fibers, 1990, pps. 581-589, Journal of Biomedical Materials Research, Vol. 24	
	<input checked="" type="checkbox"/>	David J. Cohen et al., The Fate of Aortic Valve Homografts 12 to 17 Years After Implantation, March 1988, pps 482-484, Chest, Vol. 93, No. 3	
	<input checked="" type="checkbox"/>	A.G. Chuchalin et al., Clinical Immunosorbents Basing On Space-Network Polymers, 1998, pps. 1524-1529, All Union Research Institute of Chemical Reagents and Chemicals of Special Purity, Moscow	
	<input checked="" type="checkbox"/>	P. De Deyne et al., Some Effects of Gamma Irradiation on Patellar Tendon Allografts, 1991, pps. 51-62, Connective Tissue Research, Vol. 27	
	<input checked="" type="checkbox"/>	E.A. Dyskin et al., Hemomicrocirculatory Bed in the Wall of Hollow Organs of the Dog Gastrointestinal Tract at Portal Hypertension, pps. 68-73	
	<input checked="" type="checkbox"/>	R. Guidoin et al., A Compound Arterial Prosthesis: The Importance of the Sterilization Procedure on the Healing and Stability of Albuminated Polyester Grafts, March 1985, pps. 122-128, Biomaterials, Vol. 6	
	<input checked="" type="checkbox"/>	Ph. Hernigou et al., Radiation Sterilization of Bone and the HIV Virus, 1993, pps. 445-451, Revue de Chirurgie Orthopedique, Vol. 79	
	<input checked="" type="checkbox"/>	Hsing-Wen Sung et al. Effects of Various Chemical Sterilization Methods on the Crosslinking and Enzymatic Degradation Characteristics of an Epoxy-Fixed Biological Tissue, December 1996, pps. 376-383, Sterilization of Biological Tissues	
	<input checked="" type="checkbox"/>	James R. Malm et al., An Evaluation of Aortic Valve Homografts Sterilized by Electron Beam Energy, October 1967, pps. 471-477, Journal of Thoracic and Cardiovascular Surgery, Vol. 54, No. 4	
	<input checked="" type="checkbox"/>	James R. Malm et al., Results of Aortic Valve Replacement Utilizing Irradiated Valve Homografts, pps 740-747, Annals New York Academy of Sciences	
EXAMINER 		DATE CONSIDERED 	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<p align="center">LIST OF PRIOR ART CITED BY APPLICANT</p> <p align="center">(PTO-1449)</p>	ATTY. DOCKET NO. CI-0006	APPLN. SERIAL NO. 09/960,704
	APPLICANT(S) William N. DROHAN, Wils n BURGESS, David M. MANN and Martin J. MACPHEE	
	FILING DATE September 24, 2001	GROUP 1645
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)		
	W. Oh et al., Mitral Valve Replacement With Preserved Cadaveric Aortic Homografts, May 1973, pps. 712-721, The Journal of Thoracic and Cardiovascular Surgery, Vol. 65, No. 5	
	K. Pietrucha, New Collagen Implant As Dural Substitute, April 1991, pps. 320-323, Biomaterials, Vol. 12	
	Maria Raptopoulou-Gigi et al., Antimicrobial Proteins in Sterilised Human Milk, January 1, 1977, pps. 12-14, British Medical Journal, Vol. 1	
	Edward A. Rittenhouse et al., Sterilization of Aortic Valve Grafts for Transplantation, July 1970, pps. 1-5, Aortic Valve Grafts for Transplantation, Archives of Surgery, Vol. 101, No. 1	
	H. Sato et al., Sterilization of Therapeutic Immunoabsorbents by Ionizing Radiation, 1986, pps. 131-136, The International Journal of Artificial Organs, Vol. 9, No. 2	
N	Richard A. Smith et al., Gamma Irradiation of HIV-1, 2001, pps. 815-819, Journal of Orthopaedic Research, Vol. 19	
N	Barbara Lüssi-Schlatter et al., Die Antimikrobielle Behandlung von Peroralen Enzympräparaten mit Gamma-Strahlen, Pharmazeutisches Institut der Eidgenössischen Technischen Hochschule Zürich Galenische Abteilung	
EXAMINER <i>Calder</i>	DATE CONSIDERED 5/8/2003	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)		ATTY. DOCKET NO. CI-0006	APPLN. SERIAL NO. 09/960,704
		APPLICANT(S) William N. DROHAN t al.	
		FILING DATE September 24, 2001	GROUP 1645
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)			
<i>h</i>	O. Cornu et al., Effect of Freeze-Drying and Gamma Irradiation on the Mechanical Properties of Human Cancellous Bone, 2000, pps. 426-431, Journal of Orthopaedic Research, Vol. 18		
<i>h</i>	Anna Dziedzic-Goclawska et al., Effect of Radiation Sterilization on the Osteoinductive Properties and the Rate of Remodeling of Bone Implants Preserved by Lyophilization and Deep-Freezing, November 1991, pps. 30-37, Clinical Orthopaedics and Related Research, No. 272		
<i>h</i>	Ole T. Jensen et al., Vertical Guided Bone-Graft Augmentation in a New Canine Mandibular Model, 1995, pps. 335-343, The International Journal of Oral and Maxillofacial Implants, Vol. 10, No. 3		
<i>h</i>	Ronald W. Katz et al., Radiation-Sterilized Insoluble Collagenous Bone Matrix is a Functional Carrier of Osteogenin for Bone Induction, 1990, pps. 183-185, Calcified Tissue International, Vol. 47		
<i>h</i>	Everard Munting et al., Effect of Sterilization on Osteoinduction; 1988, pps. 34-38, Acta Orthop Scand, Vol. 59, No. 1		
<i>h</i>	P.A. Puolakkainen et al., The Effect of Sterilization on Transforming Growth Factor β Isolated From Demineralized Human Bone, 1993, pps. 679-685, Transfusion, Vol. 33, No. 8		
<i>h</i>	U. Ripamonti et al., Long-Term Evaluation of Bone Formation by Osteogenic Protein 1 in the Baboon and Relative Efficacy of Bone-Derived Bone Morphogenetic Proteins Delivered by Irradiated Xenogeneic Collagenous Matrices, 2000, pps. 1798-1809, Journal of Bone and Mineral Research, Vol. 15, No. 9		
<i>h</i>	A. Salehpour et al., Dose-Dependent Response of Gamma Irradiation on Mechanical Properties and Related Biochemical Composition of Goat Bone-Patellar Tendon-Bone Allografts, 1995, pps. 898-906, Journal of Orthopaedic Research, Vol. 13		
<i>h</i>	Nikolaus Schwarz et al., Irradiation-sterilization of Rat Bone Matrix Gelatin, 1988, pps. 165-167, Acta Orthop Scand, Vol. 59, No. 2		
<i>h</i>	C.W. Smith et al., Mechanical Properties of Tendons: Changes With Sterilization and Preservation, February 1996, pps. 56-61, Journal of Biomechanical Engineering, Vol. 118		
<i>h</i>	Yukiyoshi Toritsuka et al., Effect of Freeze-Drying or γ -Irradiation on Remodeling of Tendon Allograft in a Rat Model, 1997, pps. 294-300, Journal of Orthopaedic Research, Vol. 15		
<i>h</i>	Konrad Wangerin et al., Behavior of Differently Sterilized Allogenic Lyophilized Cartilage Implants in Dogs, 1987, pps. 236-242, J. Oral Maxillofac Surg, Vol. 45		
<i>h</i>	S. Wientroub et al., Influence of Irradiation on the Osteoinductive Potential of Demineralized Bone Matrix, 1988, pps. 255-260, Calcified Tissue International, Vol. 42		
EXAMINER	<i>[Signature]</i>		DATE CONSIDERED <i>5/5/2003</i>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



**LIST OF PRIOR ART CITED BY
APPLICANT
SUBSTITUTION FOR
(PTO-1449)**

ATTY. DOCKET NO.
CI-0006

APPLN. SERIAL NO.
09/960,704

APPLICANT
William N. DROHAN et al.

FILING DATE
September 24, 2001

GROUP
1645

U.S. PATENT DOCUMENTS

*EXAMINER'S INITIALS	CITE NO.	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
<i>to</i>	A1	4,336,247	06/1982	Eriksen			
<i>W</i>	A2	4,931,361	06/1990	Baldeschwieler et al.			
<i>W</i>	A3	5,012,503	04/1991	Nambu et al.			
<i>W</i>	A4	5,044,091	09/1991	Ueda et al.			
<i>W</i>	A5	5,856,172	01/1999	Greenwood et al.			
<i>W</i>	A6	6,010,719	01/2000	Remon et al.			
<i>W</i>	A7	6,060,233	05/2000	Wiggins			
<i>W</i>	A8	6,258,821	07/2001	Stogniew et al.			
	A9						
	A10						
	A11						

RECEIVED

AUG 28 2002

TECH CENTER 1600/2900

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER'S INITIALS	CITE NO.	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	FILING DATE
	B1						

U.S. PATENT APPLICATIONS

*EXAMINER'S INITIALS	CITE NO.	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	FILING DATE
	C1						

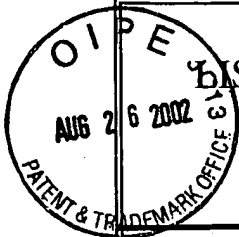
FOREIGN PATENT DOCUMENTS

*EXAMINER'S INITIALS	CITE NO.	*PATENT NO.	*DATE	*COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
	D1							
	D2							
	D3							
	D4							
	D5							

OTHER ART

*EXAMINER'S INITIALS	CITE NO.	(AUTHOR, TITLE, DATE, PERTINENT PAGES, PUBLISHER, PLACE OF PUBLICATION)
<i>W</i>	E1	Blanchy, B.B. et al., Immobilization of Factor VIII on Collagen Membranes, J. Biomedical Materials Research, 20:469-479 (1986) (John Wiley & Sons, Inc.)
<i>W</i>	E2	Boyer, T.D. et al., Radiation Inactivation of Microsomal Glutathione S-Transferase, The Journal of Biological Chemistry, 261:16963-16968 (1986)
EXAMINER	DATE CONSIDERED <i>5/8/03</i>	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



**LIST OF PRIOR ART CITED BY
APPLICANT
SUBSTITUTION FOR
(PTO-1449)**

ATTY. DOCKET NO.
CI-0006

APPLN. SERIAL NO.
09/960,704

APPLICANT
William N. DROHAN et al.

FILING DATE
September 24, 2001

GROUP
1645

OTHER ART

*EXAMINER'S INITIALS	CITE NO.	(AUTHOR, TITLE, DATE, PERTINENT PAGES, PUBLISHER, PLACE OF PUBLICATION)
W	E3	Chanderkar, L.P. et al., The Involvement of Aromatic Amino Acids in Biological Activity of Bovine Fibrinogen as Assessed by Gamma-Irradiation, Radiation Research, 65:283-291 (1976) (Academic Press, Inc.)
W	E4	Chanderkar, L.P. et al., Radiation-Induced Changes In Purified Prothrombin and Thrombin, Biochimica et Biophysica Acta, 706:1-8 (1982) (Elsevier Biomedical Press)
W	E5	Chin, S. et al., Virucidal Treatment of Blood Protein Products With UVC Radiation, Photochemistry and Photobiology, 65:432-435 (1997) (American Society for Photobiology)
W	E6	Ghosh, M.M. et al., A Comparison of Methodologies for the Preparation of Human Epidermal-Dermal Composites, Annals of Plastic Surgery, 39:390-404 (1997) (Lippincott-Raven Publishers)
W	E7	Goertzen, M.J. et al., Anterior Cruciate Ligament Reconstruction Using Cryopreserved Irradiated Bone-ACL-Bone-Allograft Transplants, Knee Surg. Sports Traumatol. Arthroscopy, 2:150-157 (1994) (Springer-Verlag)
W	E8	Hsiue, G. et al., Absorbable Sandwich-Like Membrane for Retinal-Sheet Transplantation, pp.20-25 (2002) (Wiley Periodicals, Inc)
W	E9	Jensen, J. et al., Membrane-bound Na, K-ATPase: Target Size and Radiation Inactivation Size of Some of Its Enzymatic Reactions, J. Biological Chemistry, 263:18063-18070 (1988) (Am. Soc. for Biochem. and Mol. Biol.)
W	E10	Kamat, H.N. et al., Correlation of Structural Alterations in Bovine Fibrinogen with Loss of Clotting Properties After Gamma Irradiation, Radiation Research, 49:381-389 (1972) (Academic Press, Inc.)
W	E11	Kempner, E.S. et al., Effect of Environmental Conditions on Radiation Target Size Analyses, Analytical Biochemistry, 216:451-455 (1994)
W	E12	Kempner, E.S. et al., Radiation-Damaged Tyrosinase Molecules are Inactive, Biophysical Journal, 55:159-162 (1989) (Biophysical Society)
W	E13	Kuijpers, A.J. et al., <i>In vivo</i> Compatibility and Degradation of Crosslinked Gelatin Gels Incorporated in Knitted Dacron, pp.137-144 (2000) (John Wiley & Sons, Inc.)
W	E14	Le Maire, M. et al., Effects of Ionizing Radiations on Proteins, Journal of Biochem., 267:431-439 (1990)
W	E15	Ma, J.T. et al., Functional Size Analysis of F-ATPase from <i>Escherichia coli</i> by Radiation Inactivation, The Journal of Biological Chemistry, 268:10802-10807 (1993) (The Am. Soc. for Biochem. and Mol. Bio., Inc.)
W	E16	Marx, G. Protecting Fibrinogen with Rutin During UVC Irradiation for Viral Inactivation, Photochemistry and Photobiology, 63:541-546 (1996) (American Society for Photobiology)
W	E17	Nagrani, S. et al., The Radiation-Induced Inactivation of External Yeast Invertase in Dilute Aqueous Solution, Int. J. Radiat. Biol., 55:191-200 (1989) (Taylor & Francis Ltd.)
W	E18	Nielsen, M. et al., The Apparent Target Size of Rat Brain Benzodiazepine Receptor, Acetylcholinesterase, and Pyruvate Kinase Is Highly Influenced by Experimental Conditions, The Journal of Biological Chemistry, 263:11900-11906 (1988) (The American Society for Biochemistry and Molecular Biology, Inc.)
W	E19	Potier, M. et al., Radiation Inactivation of Proteins: Temperature-Dependent Inter-Protomeric Energy Transfer in Ox Liver Catalase, Biochem. J., 298:571-574 (1994)
EXAMINER	DATE CONSIDERED 5/5/02	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

TECH CENTER 1600/2900

LIST OF PRIOR ART CITED BY APPLICANT SUBSTITUTION FOR (PTO-1449)		ATTY. DOCKET NO. CI-0006	APPLN. SERIAL NO. 09/960,704
		APPLICANT William N. DROHAN et al.	
		FILING DATE September 24, 2001	GROUP 1645
OTHER ART			
*EXAMINER'S INITIALS	CITE NO.	(AUTHOR, TITLE, DATE, PERTINENT PAGES, PUBLISHER, PLACE OF PUBLICATION)	
W	E20	Sakai, T. et al., Microbiological Studies on Drugs and Their Raw Materials. IV. Sterilization of Microbial Contaminants in Enzyme Powder by Gamma Irradiation, Chem. Pharm. Bull., 26:1130-1134 (1978)	
W	E21	Salim-Hanna, M. et al., Free Radical Scavenging Activity Of Carnosine, Free Rad. Res. Comms., 14:263-270 (1991) (Harwood Academic Publishers GmbH)	
W	E22	Song, K.B. et al., Effect of Gamma-irradiation on the Physicochemical Properties of Blood Plasma Proteins, 2002 Annual Meeting and Food Expo-Anaheim, California, Session 30C-1, Food and Chemistry: Proteins, (June 2002) (Abstract)	
W	E23	Suomela, H., Inactivation of Viruses in Blood and Plasma Products, Transfusion Medicine Reviews, 7:42-57 (1993) (W.B. Saunders Company)	
W	E24	(Abstract of EP0919198A2 and EP0919198A3 (Delphion-DERABS Abstract # G1999-304614))	
W	E25	Website: www.wslfweb.org/docs/dstp2000.dtopdf/19-MD.pdf (Defense Science and Technology Plans, (February 2000) p. 176, Section II, MD.03, U.S. Department of Defense Deputy Under Secretary of Defense (Science and Technology))	
W	E26	Website: www.usacc.org/ataccce/ppt.html , (Advanced Technology Applications for Combat Casualty Care, 2001 Presentations, US Army Medical Research and Material Command Combat Casualty Care Research Program (2001))	
W	E27	Website: www.usacc.org/RevisedStepB.html , Bakaltcheva, I. et al., (FY01 Request for Proposals-Intramural-Revised 2, Combat Casualty Care Research Program, (2002))	
W	E28	Website: www.benvue.com/history/history_content.html , (2002)	
W	E29	Website: www.phase-technologies.com/html/vol.2no1.html , Jennings, T.A., (Glossary of Terms for Lyophilization) (1999)	
W	E30	Website: www.phase-technologies.com/html/vol.1no9.html , Jennings, T.A., (Overview of the Lyophilization Process) (1998)	
W	E31	Website: www.phase-technologies.com/html/vol.1no2.html , Jennings, T.A., (Role of Product Temperature in the Lyophilization Process) (1998)	
W	E32	Website: www.phase-technologies.com/html/vol.2no2.html , Jennings, T.A., (What I Wish I Knew About Lyophilization) (1999)	
W	E33	Website: www.phase-technologies.com/html/vol.1no7.html , Jennings, T.A., (Which Shelf Temperature During Lyophilization?) (1998)	
W	E34	Website: www.phase-technologies.com/html/vol.1no10.html , Jennings, T.A., (Yes, You have no Eutectic) (1998)	
W	E35		
EXAMINER	DATE CONSIDERED		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

RECEIVED

AUG 28 2002

TECH CENTER 1600/2900

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.